

**Amendments to the Specification:**

On page 1, prior to the first paragraph which begins on line 4, please insert the following:

FIELD OF THE INVENTION

On page 1, prior to the second paragraph which begins on line 14, please insert the following:

BACKGROUND OF THE INVENTION

Please replace the paragraph which begins on page 1, line 14 and which ends on line 26, with the following rewritten paragraph:

In the case of the potentiometric measuring point for determining the ion concentration in a liquid medium, ~~this means~~, for instance, a pH sensor. The pH sensor can be embodied as a glass electrode or as an ISFET sensor. The voltage which forms between the measuring half cell and the reference half cell serves as a measure for the pH value, or for the ion concentration of the medium. The fundamentals of pH measurement technology and the construction of pH sensors are described, for example, in the book "Abwasser - Meß- und Regeltechnik" (Wastewater - Measuring and Control Technology), Publisher: Endress+Hauser GmbH + Co., 2nd Ed., Pgs. 81 et seq.

Please replace the paragraph which begins on page 3, line 20 and ends on line 27, with the following rewritten paragraph:

Fig. 1 shows the essential components of a pH measuring point 1, as ~~such~~ is used in ~~measurements~~ measurement technology. The measurement point 1 includes a measuring half cell 2, a reference half cell 3 and a measuring device 6, which usually measures the voltage between the two half cells 2, 3. This voltage is inversely

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proportional to the pH-value of the medium 7 being measured.

On page 5, prior to the paragraph which begins on line 28, please insert the following:

SUMMARY OF THE INVENTION

On page 8, prior to the paragraph which begins on line 20, please insert the following:

BRIEF DESCRIPTION OF THE DRAWINGS

On page 9, prior to the paragraph which begins on line 15, please insert the following:

DESCRIPTION OF THE PREFERRED EMBODIMENTS

On page 13, delete lines 1 through 18 in their entirety.